

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

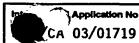
Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.								
SJ-11817WO	ACTION								
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)							
PCT/CA 03/01719	12/11/2003 15/11/2002								
Applicant									
LUPKE, Manfred, A. A.									
This International Search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.									
This International Search Report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.									
1. Basis of the report									
 With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 									
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).									
b. With regard to any nucleotide an		ternational application, the international search							
i —	was carried out on the basis of the sequence listing : contained in the international application in written form.								
	mational application in computer readable form	1.							
furnished subsequently to	furnished subsequently to this Authority in written form.								
furnished subsequently to	this Authority in computer readble form.								
the statement that the sub-	esequently furnished written sequence listing do s filed has been furnished	oes not go beyond the disclosure in the							
l <u>— </u>	international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished								
Certain claims were four	nd unsearchable (See Box I).								
3. Unity of invention is lac	Unity of invention is lacking (see Box II).								
. 4. With regard to the title,									
	_								
the text has been established by this Authority to read as follows:									
E. Will record to the object									
5. With regard to the abstract,									
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.									
6. The figure of the drawings to be publi	•	4							
X as suggested by the appli		None of the figures.							
because the applicant falle	because the applicant falled to suggest a figure.								
because this figure better characterizes the invention.									

Form PCT/ISA/210 (first sheet) (July 1998)

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A pipe molding apparatus includes a plurality of mold blocks(9) which move along a molding path to form double wall plastic pipe having an outer pipe wall with corrugations which set outside diameter of the pipe and an inner wall around a bore through the pipe. The mold blocks(9) have profiled faces which determine shape of the pipe. The profiled faces are reconfigureable in profile between first and second face profiles to vary both depth of the corrugations and diameter of the bore through the pipe without varying external diameter and while maintaining essentially constant wall thickness of the pipe.

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A. CLASSIFICATION OF SUBJECT MATTER B29C33/36 B29C33/30 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 **B29C** Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. P,X **WO 03 031155 A (UNICOR ROHRSYSTEME GMBH** 1-12 ;KAUFMANN KLAUS (DE); NEUBAUER GERHARD (DE) 17 April 2003 (2003-04-17) the whole document DE 200 09 030 U (LUPKE MANFRED ARNO ALFRED 1-12 ;LUPKE STEFAN A (CA)) 24 August 2000 (2000-08-24) abstract page 3, line 17 - line 27 page 4, line 24 -page 5, line 17 claims 1-5,7,11; figures 1,2,5-8 A US 3 784 346 A (MAROSCHAK E) 1-12 8 January 1974 (1974-01-08) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "I" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or in the art. document published prior to the international filing date but tater than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 17 March 2004 25/03/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Jensen, K Fax: (+31-70) 340-3016

INTERNATIONAL SEARCH REPORT Application No.

					/ CR 05/01/19	
	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
	WO 03031155	Α	17-04-2003	DE WO	10148294 C1 03031155 A1	16-01-2003 17-04-2003
	DE 20009030	U	24-08-2000	DE	20009030 U1	24-08-2000
•••	US 3784346	Α	08-01-1974	US	3864446 A	04-02-1975

Form PCT/ISA/210 (petent family annex) (July 1992)